

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000633**Date Inspected:** 24-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 12**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai

<b>Quality Control Contact:</b>	ABF Paint Supervisor William (Bill) Oak			<b>Quality Control Present:</b>	Yes	No	
<b>Material transfer:</b>	Yes	No	N/A	<b>Sampled Items:</b>	Yes	No	N/A
<b>Stock Transfer:</b>	Yes	No	N/A	<b>OK to Cut:</b>	Yes	No	N/A
<b>Rebar Test Witness:</b>	Yes	No	N/A	<b>Delayed/Cancelled:</b>	Yes	No	N/A
<b>Other:</b>	Surface Preparation and Coatings Application						
<b>Bridge No:</b>	34-0006			<b>Component:</b>	OBG 1AAE, Lift 3 & 4		
<b>Bid Item:</b>	77,78,79,80			<b>Lot No:</b>	B226		

**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Donald Jordan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

The following inspections were performed by Caltrans QA Coatings Inspector Jordan, American Bridge/Fluor Enterprises, a JV (ABF) Paint Supervisors William (Bill) Oak and Don Walton, ABF QC Zhou Qun Song (Joe), ABF QC David Duon, ABF QC Shi Zhaoyuan (Stone), ABF QC Zhou Wei, International Paint (IP) Onsite Technical Services Engineer (OTSE) Peng Zi Li, IP OTSE Alpha Chen, Zhenhua Port Machinery Company, LTD (ZPMC) QC Manager Xia Yong, ZPMC QC Zhang Diang, ZPMC QC Dong Yao Fei and ZPMC QC Guo Wan Li. Caltrans QA Coatings Inspectors received Notices of Inspection for to attend joint inspections with ABF and ZPMC QC for the following:

**OBG 1AAW**

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC to locate visual surface anomalies and weld defects on OBG 1AAW. ABF verbally requested that the Caltrans welding staff be notified to perform VT inspection after blast. Areas requiring grinding were identified and marked by QC and QA staff. Caltrans QA Weld Inspector's Eric Prue and Steve Hall performed VT inspection to locate and mark any weld repairs required. The weld repair spots were identified by placing tape over the area so it can be located after primer application. After the inspection was complete, grinding was performed to remove base metal defects. Abrasive blasting resumed after grinding was completed. NO ZPMC or ABF steel inspectors were on site looking at the welds.

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A second joint inspection was requested to accept the abrasive blasted surfaces of the interior and exterior. Several spots were marked that did not meet the contract requirement of SSPC SP 10 Near White Metal. Abrasive blasting resumed again.

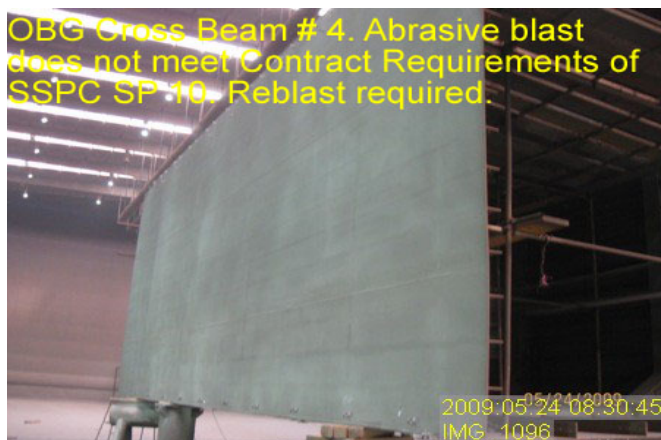
### Cross Beam # 4

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC to locate visual surface anomalies and weld defects on the external surface area of OBG CB 4. ABF verbally requested that the Caltrans welding staff be notified to perform VT inspection after blast. Areas requiring grinding were identified and marked by QC and QA staff. Caltrans QA Weld Inspector's Eric Prue and Steve Hall performed VT inspection to locate and mark any weld repairs required. VT was not performed on the upper portions of CB 4 because access was not available. After the inspection, grinding was performed to remove base metal defects. Abrasive blasting resumed after grinding was completed. NO ZPMC or ABF steel inspectors were on site looking at the welds.

### OBG Trial Assembly

Caltrans QA Coatings Inspectors received a Notice of Inspection for to attend a joint inspection with ABF and ZPMC QC inspect external coating damaged area repairs on Lifts 3 and 4 East. The area was not ready for inspection. Several spots in the repair area was identified to be included in the repair. Mud-cracking was located and marked for re-blast. Grinding and abrasive blasting was resumed. The surface area was not cleaned prior to abrasive blasting to remove dirt, grime and stains.

Fabrication on assembled components of the OBG's and Towers are not complete. Outstanding weld repairs have not been performed. Coating damage requiring re-blast is expected.

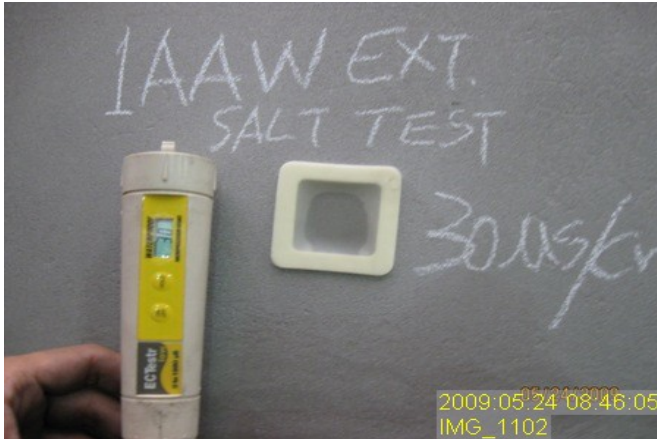


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### Summary of Conversations:

There were no relevant conversations on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh (China) +8613472477571, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Jordan,Don	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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